

LABORATORY REQUEST

INC	ENANTIECHNICAL CENTER	
Restricted Distribution	Requested by and Logation	Request Date
(First & Last Name-Location Code)	& Jling NT	, and the same
Master File	End Use Application	
Sociations	Shrink Bay	Plant Location Cod
Library	Project Number	240
<u>Lib a y</u>		Plant Order Number
Zum ummi	LR-200	
Tammy Figher	Spec # or E# or ES#	Customer
raining recor	E-15409-93	
	Process	Competitor (CA only)
	Saran	
Objective		
Doni CGCT polym	er Evaluation	
Sample Identification and Structures		
VI Control So	100/10 in sealing lang	
	10/10 - sealing lay	and slay
1/2 Dani CGCT 1A37	<u> </u>	//
V3 90/10 ZAJ7/	97.06 -	
V4 80/20/		- Dag
	318.96/2A3) in	<i>_</i>
V6 7.120/10 9).06/2	1A57 / IV.92 in	
/	/ / /	
Data Requested (Test Method and Conditions: Puncture Optics: > there MST @ 40psi, I sec. Seal Strength As(Seaf Shrink Free at 200 Impact, probe toward Thickness / Layer Red	dwell at 220 f.	25c'F and 265
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	This information is to be to a society	
	ANCO II STATE OF THE STATE OF T	
	cales or Costager of Analytical Lagoratory	
	o: the the	
		
NAIVTICAL LAB LICE CANA		
NALYTICAL LAB USE ONLY		
Assigned to Notebook Reference	-	
D		Report Number
Pat Gried RDS4650.19		9029-3
AND 1573 3/97	50-152.	

	1001	_ ,				
• .	fuecture	- Instron	1,6 m.m.	- prop ,	in to a	t. 01.
-		2.11.6. 3	12.3 4	1. /3.6.	5 86	
٠.	. 83.	12.2	/3.8	13.0	21	6. 8.6 5
	8.8	11.0.	13.6	- 12.0		9.4
• •	83	11.0	_ 12.9	_ //.3_		- 8.5
- ·		_12.3_	/39	12.4		9.5
	8,2		13.9	12.8		
_	8.2	11.5	13.4		8.8	8.4
				12.5		
	Soil Cure	er sulle-	+ + 100		·	
,	A secret	The same	- 49 Stall	int In	alion, 1	30° angle
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,	tengeratus.	res , go po	ig / sec	. dwell	Iby L'	indta
. 23 500	5 2 2	2.0	3. 0	4.0	5,	6.
4 - 2237	27_	- Below -	- Below	-Below	3,3	
4	+ 3.2	MST,	M ST,		_ 2.5_	Below
~ -	24			, 1CIM	_ 4.0	MST.
g 2 —	3.5	- - 			_ 29_	
_	1 2.3		_		1.7	
*	12.6	X		X	29	
· y ·						
3. 290 F.	4.50	3.0	3,10	3.0	4.65	
3	3.25	3,A		34	_ 5.05	450
40 -	4.90	- 12_		39	=	3,65
a.	3.90	3.0			5.30	_4.70_
	2.60	4.6	· ' ' ' ' ' ' ' ' '	4.3	5.15	4.70
10	3,8	3.0	3.1		5.15	4.70
7 -	i	<u> </u>	<i></i>	3.6	5./	44
34 250°F.	4.60	714				· <u>-</u>
387301.	5.05	2.60	5.40	1.25	5.4	4.25
. 4	4.80	- 2.45	5.70	4.65	_ 5,5	4.65
-2		- 2.70	3,95	3,50	5.0	460
7	5.10	3.25.	4.10	5.40	.48	4.60
<i>ž</i> —	445	2.90	3.20	4.30	5.1	5.30
7	4.8	2.8	4.5	4.4	5.2	4.8
4						
3 2654	,	240	3.85	_5.20	4.85	5.00
·3	500-	2.75	£00	_4.50	4.40	4.90
~	4.95 \ N.	2.70	4.40	_4.85	491	4.15 N.
· 4 · ·	·- \	2.70	3,75	4.70	4.80	
	5.5a \				444	
3	£.5.5(3,25	4-00			,
	,	3,25 2.8	4.0	4.55	4:60	49

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		m ten			VER 10		1.2.06_	
:/		a go ac	و بالمعلو ب) ." <i>F_1</i> "				1.26
-						<u> </u>		2.08
	.2 _							2.47
	-3							R.36
1	.4			·			2.10	2.45
	-5,						2.12	226
; -		230	-		······································			
:							3, 2,63	4 2.48
:	Huze, ?	To			_ _			2.60
:1.		2,5.35	3.6.75	4 4.88	5. 5.90 6.	. 5.71	2.65	F = 7
	7.19	5,66	_8.80	5,91	<u>5.51</u>	5.70	2,54	
: -	6.87	5.65	_ 271	7.54	4.63	4.87	_2.70	
	7.88	5.75	6.99	6,03	5.62	4.95	2.77	- 1
	6.85	_	6,19		5.80		2.65	
	6.46	5.85			5.70			
:	7.1	5.7	7.3		5.5		5.2.37	6.225
1							222	
; œ	Glass,	45° angle	outre	Les un	to			2,05
1.	66.7	2.74.8 3	66.5	4. 75.5	5. 73.6 6.	733		2.07_
					76,2		` _	-2,26
		72.6		٠,		745	2.29	
•	1 -1	75,5				735	2,23	
:	70.0			73.9	73.1	684		
•		78.2			744	72.6		
	66.9	75.9		73.2	746	724		
				10.0	7 7 7	/2 \/\		
1	Clarities,	1.						
	1 /		1904	- 44.4	578 1	.57.6		
		39.2	• -			45.6		
						66.0	- 	
		6.4			53.4			·
٠.		, T 50.2				568		
	-	55.0			60.4		· · · · · · · · · · · · · · · · · · ·	
		42.2		49.8	524			
_	17/1 7	マク・ク	<i>2</i> 0.1	770				

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9029-3.

Porature,	Sample	Specimen	Thickness,	1 8	hrink	
		Special III	W110	M.D.	C.M.D.	
1000		/	1.99	10	22	
180°F.	,	· 2	2.01	/3	29	
		3	2.10	12	27	
		/	2.00	16	27 31	
			2.12	16	30	
	ス	3	2.35	16	31	
		/	2.31	18	26	
	_	2	2.40	18	28	
j	3	3	2.40	19	27	
		/	2.06	19	27	
		2	2.19	19	28	
	4	3	2.24	20	28	
		1	2,12	11	25	
		2	2.21	/3	26	
	5	3	2,34	12	25	
		1	2.02	13	26	
	/	2	2.17	12	26	
1	6	3	2.20	12 -	25	

Topotatute			,		
• •	Sample	Specimen	Thickness	Bhrinkag M.D.	Bhrink C.M.D.
	·	/	1.96		C.H.D.
200°F.		. 2	1,98	35	53
	1	3	2.18	33	54
- 1		1	1,98	36	54
		_2	2.28	3/	54
ļ.	2	3	3.37	32	- 52
1		/	2.23	40	52
	7	2	2.32	37	53
<u>_</u>	3	3	2.42	37	52
1		/	2.02	38	53
- 1		2	2,14	38	5/
L	4	3	2.33		52
		/	2.07	38	52
- 1	Γ	2		33	52
	5		2.13	35	53
—		3	2,30	34	52
- 1	-		2.09	34	<i>5</i> 2
	6	2	2.//	34	52
-	-5-	.3	2.18	37	55

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		E.A.	I. T	Sys	e m		
DISK FILE OPERATOR	= PLG		ATA				09:55:18
MATERIAL SAMPLE II	ID = V-1				LOAD CE	IUS=	500-3933 0.750 1r.
COMMENT = RUN COMME	ZHE	NG toward	40.10.+ (;	DART WE.		35.00 12
							73 •F
TEST	D ep	PEAK LOAD	E D	> ZERC E	TOTA	E	
9029-3.501 9029-3.502	1.240 1.425	39. 7 2 39. 7 2	33 0.185 94 0.100		1. 42 5 1. 52 5	2. 73 3. 11 2. 95	
9029-3.503 9029-3.504	1.105 1. 4 20	39.0 2.0 38.8 2.3	75 O.130	0. 92 0. 37	1.595 1.550 1.500	3.13 N	
9029-3. 505 9029-3. 506	1.190 1.415	36. 4 2 41. 4 2	11 0.310 94 0.350		1.500 1.765	3. 02 4. 06	·
					- 1		
AVG STD DEV COEF VAR	1.299 0.139	39. 2 2. 3 1. 6 0.	41 0.15	0.65 0.38	1. 560 0. 12	3.17 0.46	
CUEF VAR	10.72	4.1 16.3	31 57.28	59. 02	7.39	4.61	/
		F. A.	<i>I - T</i>	Sust			
DISK FILE		TISTICS DA			02-23-19	93	10 :08:12
OPERATOR MATERIAL SAMPLE ID	ID = V-2	1			LOAD CEL	L=	50 0-3933
<u> COMMENT =</u>	ZHE	⊷ NG		. ~	TUP RADI DART WEI	US= GHT=	0.750 in 35.00 lb:
RUN COMME	NT= Probe	toward &	reelant (i	nu,	TEMPERAT	URE=	73 °F
TEST	ePi D	EAK LOAD L E	PEAK -	> ZERO E	TOTA	LE	
9029-3. 501	1.840	70.5 5.9	0.035	0.13	1.875	6.06	
9029-3. S02 9029-3. S03 9029-3. S04	1.710 2.150 2.160	59. 8 5. 1 66. 7 6. 6 6. 9 6. 4	7 0.035	0. 09 0. 14	1. 745 2. 185	5. 22 6. 82	
9029-3.505 9029-3.506		66.9 6.4 213.3 0.0 71.2 7.1	9 0.140	0. 04 2. 40 0. 03	0.145	6. 50 2. 49 7. 16	
		_					
AVG STD DEV	1.673 0.839	91.4 5.2 59.8 2.6		0. 47 0. 94		5. 71	
COEF VAR	50. 19		0102.90	199. 45	0. 79 46. 15 3	0. 04 J	-
DISK FILE	- CT/3	E.A.		3yst			
OPERATOR : MATERIAL :	= PLG TD = V-3	TISTICS DA	1 A		02-23-199 LOAD CELI	_	10:24:09
SAMPLE ID	= [V3	/	•		TUP RADIL DART WEIG	<i>15=</i>	500-3933 0.750 in 35.00 lbs
COMMENT = RUN COMMEN	ZHEN IT= Probe	toward s	estant (in).	TEMPERATI	IRE=	73 °F
TEST	D @PE	SAK LOAD E	PEAK -	-> ZERO E	TOTAL	\overline{E}	
9029-3. 501 9029-3. 502	2.395 2.315	93.7 9.94 8 5.4 9.39	4 0.030	0.12		. 06	
9029-3.503 9029-3.504	2. <i>320</i>	85. 4 9. 39 85. 6 8. 59 84. 9 8. 99	9 0.035 9 0.050 7 0.025	0.17 0.24 0.09	2. 370 8	. 56 . 83 . 06	•
9029-3.505 9029-3.506	1.885 2.170	81.6 6.90 91.1 8.90	0.040	0.17 0.11	1. 925 7	. 07 . 09	
				,	1	ı	
AYG STD DEV	0.185	87.0 8.79 4.4 1.03	3 0.01	0.15 0.06	0.18 1	. 95 . 02	
COEF V4R	9 . 28	5 ! 11.77	7 25. 56	<i>36. 07</i>	8.08 (11		

	DISK FILE = STATISTICS DATA OPERATOR = PLG MATERIAL ID = V-4 SAMPLE ID = V4 10:34
:	COMMENT = ZHENG " RUN COMMENT = Prope toward selent (in) TEMPERATURE LOAD CELL = 500-3: DART WEIGHT = 0.750 35.00
Ве	ADDAY ADDAY
st/	9029-3.501 9029-3.503 2.175 29.29-3.503
Best Available	9029-3.503 9029-3.504 9029-3.505 9029-3.505 1.690 64.6 4.98 9029-3.506 2.230 78.8 8.47 9.035 9.19 2.215 8.33 8.33 8.61 7.27 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.33 8.31 7.27 8.32 7.27 8.32 7.27 8.32 7.27 8.32 7.30 7.
ble C	AVG STD DEV 2.110 76.1 7.46 0.037 0.16 2.148 7.60
Copy	MATERIAL ID = V-5 SAMPLE ID = V-5 10:44.35
	COMMENT = ZHENG LUAD CELL = 500-3933
. 1	TEST OPEN LOAD TEMPERATURE 73 01
:	9029-3. S01 1.740 44.5 4.14 0.055 0.16 1.795 4.29 9029-3. S03 1.270 52.0 2.92 0.150 0.49 1.420 3.41 9029-3. S04 1.615 48.2 3.35 0.045 0.11 1.420 3.41 9029-3. S05 1.655 46.8 3.92 0.045 0.11 1.490 3.41 9029-3. S06 1.395 43.5 2.90 0.105 0.24 1.500 4.03 3.14
	AVG STD DEV
	DISK FILE = STATISTICS DATA OPERATOR = STATISTICS DATA MATERIAL ID = V-6 SAMPLE ID = V6 V6 (CAD STATES)
	COMMENT = ZHENG RUN COMMENT = Prope toward section (in). LOAD CELL = 500-3933 TUP RADIUS = 0.750 in 35.00 lbs
· .	TEST OPEAK LOAD STATE TEMPERATURE 73 OF
	9029-3.501 9029-3.502 1.410 9029-3.503 9029-3.503 9029-3.504 1.535 41.6 3.26 0.350 1.15 1.885 1.21 1.410 9029-3.504 1.500 45.6 3.65 0.255 1.15 1.885 1.41 9029-3.505 1.610 48.5 3.87 9029-3.505 1.460 47.3 3.41 9029-3.506 1.635
	AVG STD DEV 1.525 45.0 3.50 0.198 0.66 1.723 COEF VAR 5.68 5.9 9.97 72.43 76.11 6.76 0.32 7.69

9029-3.				
•	ress mich	Mamal	mil.	
Layer Thicks	ine	in	total	· - · ·
152		1.18	218	·
1.61	36	1.09	7.06	
	1.38	1.28_	226	
47	42	1.21	2.10	
.51	47	1.07	2.05	
brong 54	.40	1.17	211	
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ζ,	.43		2.23	
74	,31	95	1.99	
•	.40	1.89.	2.03	· · · · <u></u> <u>-</u>
. 64	,5 3	1.01_	2.18	· · · · · · · · · · · · · · · · · · ·
45	. ,59		2.62	· <u></u>
. 79	.57	,97	2.33	· · - —
heur .75	,47	,93	2.15	
3, 90				
- 14B	47	L08	2.45	-
78	. 44.		2.24	
	46	1.26	2.45	
.6/	.47	425_	2.33	
- , 59	جي ر	124	2.4	
,73	,55	1.18	2.46	·- ·-
4:ay . 72	,49	1.17	2.38	<u></u>
/				
72		1.05		······································
58		1,25	234	
			227	
48			242	
		1.07	2.15	
	. 38	1.03	2.17	
verse 67	. 45	1.15		

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not	cou		_tot/	· -
570	, 33	1.35	2.38	
.61	.30	1.20	2.11	
	. 40	1.18	2.13	
72	. 42	1.28	2.42	··· · · ·
	45_	1.08	200_	
avenue, 61	,43	1.16	2.15	• • • • • • • • • • • • • • • • • • •
	, 39	1.21	2.21	-
6 .63	43			· -
52			2.14	· · · · · · · · · · · · · · · · · · ·
45	<i></i>	=	- 2.07	· - · - ·
60	_35	*	- 2.16.	· · · · · · · · · · · · · · · · · ·
			2.24	
.65	,44	1,24	2.33	
Acres 100, 58	41	1.19	2.18	
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